We have the necessary knowledge and experience to design and install the most effective insulation and the correct lagging system for all types of boilers.

**One of our core competences**

Norisol’s competences within thermal insulation include insulation of boilers. We have the necessary knowledge and experience to design and install the most effective insulation and the correct lagging system for all types of boilers.

**Avoid heat loss and increase efficiency**

Insulation of boilers is necessary to protect against contact with hot surfaces and to ensure an acceptable working temperature in the boiler house. Most importantly, however, we insulate to avoid heat loss and optimize the efficiency of the boiler. The more efficient the less carbon dioxide emission and the lower operating cost.

**Choosing insulation material**

Many aspects have to be considered when choosing type of insulation. Naturally, the surface temperature is of importance, what is the thermal conductivity of the insulation material, how easily can the material be fastened to the boiler, can thermal bridges be avoided etc.

**Lagging challenges**

Lagging is used to provide protection of the insulation but also to create a surface which is aesthetically pleasing to the eye. In general, rib lagging is more pleasing to look at than flat-sheet lagging on large areas. On some types of equipment flat-sheet lagging is the most suitable.

There are other important things to consider when choosing the outer lagging system for a boiler. Operating temperatures are high for boilers and this means that you have to take into account expansion and contraction requirements. And the amount and direction of the expansion may vary depending on the various types and sizes of equipment – flues, ducts, boiler etc.

**Benefit from our experience**

Norisol have carried out boiler insulation in most parts of the world and have gained great knowledge and experience in this field. We have the right personnel to help you through all phases of the project, or you can choose to let us assist you with for instance engineering, material delivery and supervision.
BOILER INSULATION – PROJECTS

1. Fiskeby Board AB, Sweden. Insulation and lagging of waste heat recovery boiler including pipe systems and equipment. Work carried out for Babcock & Wilcox Vallund.

2. Insulation and lagging of complete boiler system including ducts and pipes in the spectacular waste heat recovery plant L90 in Denmark.


Norisol is a Scandinavian group offering a comprehensive package of services within technical insulation, access & scaffolding and building contracts. Design and engineering, material supply, supervision and manpower are also parts of our services. Norisol has branches throughout Denmark, Norway, Sweden and in Aberdeen.